Previous references
Edn 413-08

1909
(Edn)

File No 479
Serial Nos 1-4

Later references
Ed 15 B/1911 Cls 1-7

GENERAL AND REVENUE SECRETARIAT

Serial Nos 1-4

Part B for July 10

SUBJECT

Report of Mr Bawa Saheb Mecan, Instr, Industrial School, Chamarajpet, regarding his deputation to Northern India to study the lac industry

---

From the Officer in charge of the Agl chemists Office, 7/2/10: States that Mr Meyan appears to be thoroughly conversant with the old and new methods of preparing lac and that samples of his work will be sent if necessary

2 To Do 10875 of 9 6 10 calls for the samples

3 From Do 9488 of 15 6 10 Submits the samples

4 Go 880-1 of 26 7 10 Records the above & directs that the samples may be retained in the Office of the Officer in charge of the Agl chemists Office or in the General Museum

G R S 58

(3)

8403

GRS 11] 1909-10

GENERAL AND REVENUE SECRETARIAT

(Education)

NOTES

File No 479-09

FILE HEADING

Report of Mr Bava Sahib Mujaw, Supdt, Indl School, Bhamragadha in connection with his deputation to Northern India to study the lac industry

From The Officer in charge of the Agricultural Chemists Laboratory

No 772 Dated 18/5/10 Received 28/5/10

Diary No 8403 | Enclos | Spare Copies | Serial No 1

BRIEF ABSTRACT OF LETTER

States with Reference to para 1 of G.O No 6595-7/Edn. 413-08-7 21/12/1910 that Mr Bava Sahib Mujaw appears to be thoroughly conversant with the old and new method of preparing lac and that samples of his work would be sent if necessary.

NOTES AND ORDERS

Submitted with References

hm/org 1/6/10

2nd Counciller) hm 1/6/10

3969. 2 Get two samples please -

- 4/6/10

hm

n 9-6-10

NOTE—First sheet

GTB— 0000-3 4 07

G R S 12]
General and Revenue
Secretariat

File No 479 of 1910 9132 5403

Serial No

3 Draft-Submd

hw/ong 4/6/10

4 Issued No 6464 Co

2 To The Officer in charge of the Agricultural Chemist's Office.
No 10675 29/6/10
Calls for the Samples of lac prepared by Mr Bawa Sahib Miyan

3 From Do - No 848 dy 15/6/10
Forwards Samples of the lac prepared Mr Bawa Sahib Miyan and Submits his Remarks on the practicability of ~~the process~~ the new process of extracting lac.

Submd
hw/ong 16/7/10

2nd Communication) hz 18/7 Co

124 The Specimens may be returned They may be retained in the Agrl Chemist's or the General Museum with the description added

Please return * Put-up draft Recording the Corresp^a

18/7/10

Non—Contn sh t

Mad G—3 J—7409 18/7/10 500 8/10/07

G R S 12]
General and Revenue Secretariat

File No 479 of 1909-10

Serial No 1

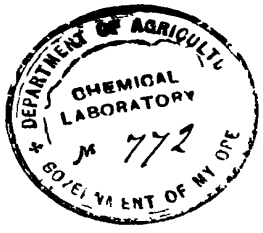
Submitted with a draft

1/11/09
26/7/10

Issued
27/7/10

To The officer in charge of the Agricultural Chemist's office & the D.G. of Education No 880-1 dt 26/7/10

Records Bl 103 & orders that the samples of this case prepared by Mr Bruntabile Mozoomdar Bryan be returned to the officer in charge of the Agricultural Chemist's office with the remarks that they be retained in his office or in the General Museum with the description added



Office of the Agricultural Chemist
Government of Mysore

Bangalore 18th May 1910

A 8403

From

Leslie C Coleman, Esq., M A D
Mycologist & Entomologist in charge of
the Agricultural Chemist's Office, Bangalore

Gen 479-09
Je-1

To

The Secretary to the Government of
His Highness the Maharaja of Mysore,
— Genl & Rev Depts Bangalore

Sir,

TW

In pursuance of Govt Order No 6595-7 / Edn 413-08-7 dated 1st February 1910, I have the honour to state that Mr Bava Mujan Sahib Superintendent of the Industrial School appeared before me on the 14th March for examination on an improved method of preparing lac The method consists in extracting the Crude lac with wood alcohol This does not

not dissolve the colouring matter in the crude lac and thus gives a lac of much better colour and higher grade than the ordinary method of washing does. Mr Bava Inayan Sahib appeared to be thoroughly conversant with both new and old methods and seems to have made excellent use of his time while on deputation. He spent in all 6 days in the laboratory preparing lac colouring etc. Samples of his work have been kept and will be forwarded for the inspection of Government, should it be deemed advisable.

As to the feasibility of the new process on a commercial scale it is of course impossible to state anything. It would of course depend largely upon the cheapness of supply of wood alcohol.

In conclusion I may say that I have no doubt that the lac industry might

might be extended in Mysore. It is of course decidedly an Entomological question but I have up to the present been unable to take it up because of other work and because of the smallness of my staff (one assistant in Entomology)

I have the honour to be,
Sir,
your most obedient servant
Leslie Coleman
for Agricultural Chemist

G.R.S 20] 2

4
File No
Serial No

Diary No of letter replied to 7/6/10 (9 45 am

No 10875
Edn 1909-2
9 6 10.

General and Revenue Secretariat
( )
the 190

To
The Officer in charge of
the Agricultural
Chemists office.

Date of issue 9.6.10

Signed by M-T G R

Sir,- With Reference to
your letter No 772 of the
14th May 1910 Reporting upon
the practical knowledge of
Mr. Bawa Sahib Ayyan in
the ~~four~~ methods of preparing
Lac, I am directed to -

SUBJECT

5
Request that Samples
of this work, which are
in the Chemical Laboratory
may be forwarded to this
office for inspection

J Howcutt
pp 6/6/10
For Secy
J 4/6/10

Wm
4/6/10

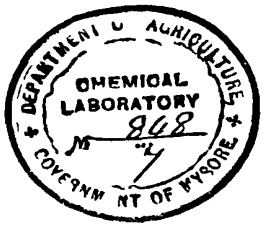
List of enclosures,

Copied by CB

Examined by JHG/6

GPB—10 000—23 5-(8

6



Office of the Agricultural Chemist,
Government of Mysore
Bangalore, June 14th 1910

D 9132

From

Leslie C Coleman, Esq , M A , Ph D ,
Mycologist & Entomologist in charge of the
Agricultural Chemist's office, Bangalore,

To

The Secretary to the Government of
His Highness the Maharaja of Mysore
Genl and Rev Departments, Bangalore

Gen 479-09
Sl 3

Sir,

With reference to your letter No 10875/Fdn 479-09-2 dated 9th June 1910 I have the honor to send herewith samples of the lac prepared by Mr Bava Sahib Mivan At the same time I have the honor to state that I have made enquiries in a personal interview with Mr Maxwell Lefroy, Imperial Entomologist, with regard to the feasibility of the new process of extracting lac if done on a commercial scale He informs me that he has gone into the matter very carefully together with the Imperial Agricultural Chemist and with Mr Hooper of the Indian Museum and has found that there is a fatal defect in the process from a practical stand point viz the difficulty of separating the last traces of wood alcohol from the lac The small quantity of wood alcohol left in the lac prevents it from getting hard and of course makes it practically useless from a practical stand point As a matter of fact one sample (D) made according to the wood alcohol method by Mr Bava Sahib Mi an still contains some alcohol and is not hard as it should be, However in sample(F) he succeeded by further evaporation and by blowing with a glass tube in getting rid apparently of practically all the alcohol so that the

the product seems quite satisfactory Whether this difficulty would destro the practical usefulness of the process I am not prepared to say and am only stating the opinion of Mr Iefroy who, as stated, has studied the question carefully Accompanying are short explanatory notes with reference to the sample bottles sent

I need hardly point out ir conclusion that I received the information from Mr Lefroy sometime after writing my letter No 772 of the 19th May

I have the honor to be,

Sir

Your most obedient servant,

Leslie Coleman

For Agricultural Chemist

Explanatory notes

A Crude lac as collected in the forests

B Crude lac crushed, Separated from twigs etc with a sive and washed in several changes of water until the wash water no longer runs colored

C The washed lac is mixed with resin to lower its melting point and to improve its color, put into long cloth bags and melted over a char coal fire The bag is twisted and the melted lac which is pressed out is scraped off and allowed to solidify on a plantain leaf-sheath

D The crude lac crushed and freed from twigs etc but not washed is tied up in small long colth bags and allowed to soak in hot methyl alcohol The bags are well squeezed and removed and the extract is evaporated to remove alcohol The lac was then allowed to solidify on a plantain leaf sheath

F The lac after the alcohol was removed was taken on the end of a glass tube and blown into bubbles

F Some zinc oxide was added to melted lac and thoroughly incorporated with it b constant stirring

BG

Each to be 2 columns, ¼ margin

3 S-free 1 page tell complete

AD - AD draft-letter 6/4/12.

KR KR 6/4/12

Nick nor/6m

SC SGK 6/11

SRH MR 6/11 4:15 PM

BV BG 8/4 12 Noon

THV BHK 8/4 (4:50 pm)

BKhn. copletes & sent BKhn

CG CG 6/4

C & S 28]

File No 479-89
Serial No 4

Diary No of letter replied to 9132

Proceedings of the Government of His Highness the Maharaja of Mysore

GENERAL AND REVENUE SECRETARIAT
( )

the 19

Date of issue 26/7/10

Signed by

26 Bowles

READ—

Letter, No. 772 dated the 18th May 1910 from the Officer in charge of the Agricultural Chemist's office, Bangalore, stating with reference to G.O No 6595-7/Ed 413 08-7 dated the 1st February 1910, that Mr Rowe Sahib Inspector of the Lac School, Channapatna appeared before him for examination on the improved method of preparing lac and adding that he seemed to be thoroughly conversant with both the new and old methods of preparing lac and to have made excellent use of his time

over

SUBJECT

GPB—10,000—9.12.09

26/7 Rec'd 26/7/10

Mule on Deputation to Northern India

-- 2 -- Correspondence ending with letter No 848 dated the 14th June 1910 from the same Officer forwarding Samples of the lac prepared by Mr Bava Sahib Inyan and submitting his Remarks on the possibility of the new process of extracting lac, if done on a Commercial basis.

Order thereon

No 680-1 / 22nd 7-09 dated 26/7/10

Recorded

2 The Samples of the lac prepared by Mr Bava Sahib Inyan (6 bottles) are returned to the Officer in charge of the Agricultural Chemists office with the Remarks that they be returned in his office or to the General Museum with the description added

For Secy
Govt of India
26/7/10

To The Officer in charge of the Agricultural Chemists Office

hw 26/7/10